A8050-3
2/18/82

statistical

REPORT
November 11, 1981

U.S. FOREIGN TRADE IN MACHINE TOOLS
AUGUST 1981

U.S. foreign trade in machine tools during August 1981 resulted in a trade deficit of $60.9 million for the month, bringing the trade deficit for eight months of 1981 to $234.6 million. Compared to July 1981, U.S. exports declined 20% while imports rose 12%. Year-to-date machine tool exports of $748.8 million were 50% ahead of the same period last year. U.S. imports of $983.4 million have risen 13% over the first eight months of 1980.

U.S. Machine Tool Trade
($Millions)

August 1981	Exports	Imports	Surplus (Deficit)
Metal Cutting	$ 56.4	$116.3	($ 59.9)
Metal Forming	$ 18.2	$ 19.2	($ 1.0)
Total	$ 74.6	$135.5	($ 60.9)
8 Mos. 1981			
Metal Cutting	$540.4	$855.8	($315.4)
Metal Forming	$208.4	$127.6	$ 80.8
Total	$748.8	$983.4	($234.6)

U.S. EXPORTS of metal cutting machine tools during August were down 13% from the July total as metal forming types fell 36%. Compared to the first eight months of 1980, metal cutting and metal forming type exports both increased, by 73% and 12% respectively. For January through August 1981, the leading export markets were (in millions): Mexico ($191.2), Canada ($184.8), the United Kingdom ($47.5), Japan ($38.3) and West Germany ($26.1).

U.S. IMPORTS of metal cutting machine tools increased 9% from the July total while metal forming imports rose 37%. The year-to-date total for metal cutting types was 21% above the first eight months of 1980, exceeding U.S. exports by $315.4 million. Year-to-date imports of metal forming types declined 21% from the same period last year. Leading exporters of machine tools to the U.S. during the first eight months of 1981 were (in millions): Japan ($439.0), West Germany ($131.5), the United Kingdom ($98.6), Taiwan ($63.3) and Switzerland ($56.3).

national machine tool builders association
7901 WESTPARK DRIVE
McLEAN, VIRGINIA 22102
AREA CODE (703) 893-2900
TWX: 710-831-0031 NMTBA MCLN

U.S. IMPORTS OF MACHINE TOOLS
TOTAL AND COUNTRIES OF ORIGIN BY TYPE OF MACHINE
AUGUST 1981

RELEASED: November 11, 1981

		TOTAL YTD		TOTAL MO.		AUSTRIA		BELGIUM	
674:	METAL CUTTING	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
3025	Gear Hobbers	133	12757	25	1837	-	-	-	-
3035	Gear Shapers	11	1535	1	23	-	-	-	-
3045	Gear Cutting Machines, N.E.C.	12	1652	2	26	-	-	-	-
3204	Vertical Mach. Ctrs. ATC, NC, Y-Axis Travel 25'' or Less	689	53812	116	9252	-	-	-	-
3206	Vertical Mach. Ctrs. ATC, NC, Y-Axis Travel Over 25''	81	11222	7	720	-	-	-	-
3209	Horizontal Machining Centers, ATC, NC	246	31116	26	5633	-	-	-	-
3211	Machining Centers, NC, N.E.C.	236	22740	36	2885	-	-	-	-
3212	Single Station and Multi-Station Transfer Machines	23	4539	-	-	-	-	-	-
3213	Way Type Machines (Unit Heads)	1	153	1	153	-	-	-	-
3217	Horiz. Boring-Drilling-Milling Machines, Table Type, NC	10	2736	1	28	-	-	-	-
3218	Horiz. Boring-Drilling-Milling Machines, NC, N.E.C.	-	-	-	-	-	-	-	-
3219	Vertical Boring-Drilling-Milling Machines,NC	20	3317	-	-	-	-	-	-
3222	Horiz. Boring-Drilling-Milling Machines,non-NC	146	13963	17	1943	-	-	-	-
3223	Vertical Boring-Drilling-Milling Machines,non-NC	1246	12213	109	1279	-	-	-	-
3228	Drilling Machines,NC	13	648	2	50	-	-	-	-
3229	Drilling Machines, Multi-Spindle, non-NC	41	3438	13	221	-	-	-	-
3234	Drilling Machines, Radial, non-NC	981	7843	139	1103	-	-	-	-
3236	Drilling Machines, Upright, Single Spindle, non-NC	175	1011	9	61	-	-	-	-
3242	Drilling Machines, non-NC, N.E.C.	313	5467	74	674	-	-	-	-
3264	Milling Machines, NC	254	20427	11	2357	-	-	-	-
3266	Milling Machines, Profiling, Dupl. & Die Sinking, non-NC	226	3424	11	78	-	-	-	-
3267	Milling Machines, Knee Type, non-NC	2905	21371	375	3006	-	-	-	-
3268	Milling Machines, Bed Type, non-NC	396	12552	61	2868	-	-	-	-
3269	Milling Machines, non-NC, N.E.C.	3148	29321	475	4039	-	-	-	-
3276	Vertical Boring Machines, incl. VTL's, NC	23	3177	2	450	-	-	-	-
3277	Vertical Boring Machines, incl. VTL's, non-NC	151	5626	24	1001	-	-	-	-
3281	Boring Machines, NC, N.E.C.	11	4056	-	-	-	-	-	-
3283	Boring Machines, non-NC, N.E.C.	251	11548	42	1410	-	-	-	-
3507	Horizontal Lathes, NC, Less Than 25 HP	1264	81964	130	8897	-	-	-	-
3509	Horizontal Lathes, NC, 25-50 HP	846	77764	141	12498	-	-	-	-
3511	Horizontal Lathes, NC, Over 50 HP	168	21506	24	2978	-	-	-	-
3512	Horizontal Engine & Toolroom Lathes, non-NC	5276	49509	701	7146	7	32	-	-
3513	Automatic Chucking Lathes, Single Spindle, non-NC	112	4751	37	698	-	-	-	-
3514	Automatic Chucking Lathes, Multi-Spindle, non-NC	49	6254	9	615	-	-	-	-
3515	Automatic Bar Machines, Single Spindle, non-NC	229	5344	21	680	-	-	-	-
3516	Automatic Bar Machines, Multi-Spindle, non-NC	93	8056	2	122	-	-	-	-
3518	Horizontal Lathes, non-NC, N.E.C.	524	15859	87	1894	-	-	-	-
3521	Vertical Lathes, excl. VTL's, NC	167	16472	32	2929	-	-	-	-
3522	Vertical Lathes, excl. VTL's, non-NC	1603	29990	163	3046	-	-	-	-
3527	Gear Tooth Grinding & Finishing Machines	100	9105	29	2320	-	-	1	119
3528	Tool & Cutter Grinding Machines, NC	83	6005	11	877	-	-	-	-
3529	Tool & Cutter Grinding Machines, non-NC	805	13350	108	2111	-	-	-	-
3533	Honing & Lapping Machines	131	6519	19	501	-	-	-	-
3539	Grinding Machines, Flat Surface, NC	33	3434	7	945	-	-	-	-
3541	Grinding Machines, Flat Surface Reciprocating Table,non-NC	407	8029	57	893	-	-	-	-
3543	Grinding Machines, Flat Surface, non-NC, N.E.C.	864	18323	81	1787	-	-	-	-
3546	Grinding & Polishing Machines, NC, N.E.C.	21	2274	5	387	-	-	-	-
3554	External Grinding Machines, non-NC	456	18931	83	2380	-	-	12	571
3556	Internal Grinding Machines, non-NC	65	3306	13	509	-	-	-	-
3558	Grinding, Polishing & Buffing Machines, non-NC, N.E.C.	134	4432	14	190	-	-	-	-
3559	Grinding Machines, non-NC, N.E.C.	596	13342	62	1044	-	-	-	-
3562	Traveling Wire Electrical Discharge Machines	232	13272	25	1024	-	-	-	-
3564	All Other Electrical Discharge Machines	108	5317	5	172	-	-	-	-
3567	Spark Erosion, Ultrasonic & Electrolytic Machines, NC	108	4075	22	865	-	-	22	865
3571	Spark Erosion, Ultrasonic & Electrolytic Machines, non-NC	71	1261	13	160	-	-	1	5
3576	Metal Cutting Machine Tools, NC, N.E.C.	24	1890	1	162	-	-	-	-
3577	Sawing & Cut-off Machines, non-NC	897	9441	168	1117	-	-	-	-
3578	Broaching Machines, non-NC	47	4374	1	176	-	-	-	-
3579	Metal Cutting Machine Tools, non-NC, N.E.C.	481	13302	74	3652	1	291	-	-
4000	Metal Cutting Machine Tools, Used or Rebuilt*	3083	31454	533	5942	2	29	21	94
9000	Metal Cutting Machine Tools, Less Than $2500*	524257	45174	87692	6837	43	33	5	2
	TOTAL CUTTING			91947	116267	53	385	62	1697
	TOTAL CUTTING YTD	555076	805831			687	1276	354	7477
674:	METAL FORMING								
1010	Die Casting Machines	117	2963	15	333	-	-	-	-
3582	Metal Forming Machine Tools, Used or Rebuilt	507	3694	82	537	-	-	-	-
3583	Metal Forming Machine Tools, Less Than $2500	10617	2754	1317	456	-	-	-	-
3584	Punching & Shearing Machines, incl. Combination, NC	170	19875	15	2276	-	-	-	-
3586	Shearing Machines, non-NC	498	7820	77	856	-	-	-	-
3587	Punching & Combination Punching & Shearing Machines, non-NC	454	6803	63	927	-	-	-	-
3588	Bending, Folding, Straightening & Flattening Machines, NC	20	1365	7	166	-	-	-	-
3589	Press Brakes, non-NC	293	4635	46	533	-	-	4	62
3591	Bending Rolls, Ram & Press Bending Machines, non-NC	160	4341	26	353	-	-	-	-
3592	Bending,Folding,Str. & Flattening Machines, non-NC, N.E.C.	695	10668	84	1306	-	-	-	-
3593	Metal Forming Machine Tools, NC, N.E.C.	12	1635	-	-	-	-	-	-
3594	Mechanical Presses, non-NC	98	7402	18	1076	-	-	3	246
3595	Hydraulic Presses, Vertical, Single Action, non-NC	99	2802	3	13	-	-	-	-
3596	Hydraulic & Pneumatic Presses, non-NC, N.E.C.	249	19039	63	5948	-	-	-	-
3597	Headers & Upsetters, non-NC	122	8609	13	1210	-	-	1	190
3598	Forging Machines, non-NC, N.E.C.	26	1346	4	93	-	-	-	-
3599	Metal Forming Machine Tools, non-NC, N.E.C.	643	21848	61	3125	-	-	3	834
	TOTAL FORMING			1894	19210	-	-	11	1331
	TOTAL FORMING YTD	14700	127625			2	101	90	5939
	TOTAL ALL TYPES			93841	135477	53	385	73	2988
	TOTAL ALL TYPES YTD	569776	983456			689	1377	444	13416

Source: U.S. Department of Commerce, Census Report No. IM146; National Machine Tool Builders' Association.

NOTES: 1) a/Dollar amount less than $500; 2) N.E.C. - Not Elsewhere Classified; 3) Individual items may not add to totals due to rounding.
4) Machine tool imports, as reflected in the government statistics, are actually undervalued since they reflect values in the country of origin and do not include ocean freight, insurance, dealer's commission or import duties.
5) Beginning in January 1980, foreign trade data for die casting machines are included in the metal forming total. U.S. die casting imports are not available for previous years.

*Code 6740000 shown above represents combined data from codes 674:3015,3215,3226,3261,3272,3502,3524 & 3573.
Code 6745000 shown above represents combined data from codes 674:3227,3262,3273,3503,3526 & 3574.

U.S. IMPORTS OF MACHINE TOOLS
TOTAL AND COUNTRIES OF ORIGIN BY TYPE OF MACHINE
AUGUST 1981

674	CZECHO.		DENMARK		E. GERMANY		FRANCE		ITALY		NETHERLANDS		NORWA:	
	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
3025	2	36	-	-	1	49	-	-	-	-	-	-	-	-
3035	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3045	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3204	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3206	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3209	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3211	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3212	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3213	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3217	1	28	-	-	-	-	-	-	-	-	-	-	-	-
3218	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3219	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3222	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3223	1	7	-	-	-	-	-	-	2	404	-	-	-	-
3228	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3229	-	-	-	-	-	-	-	-	1	19	-	-	-	-
3234	3	29	-	-	-	-	-	-	11	81	-	-	-	-
3236	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3242	-	-	-	-	-	-	-	-	1	3	-	-	-	-
3264	-	-	-	-	-	-	1	223	-	-	-	-	-	-
3266	-	-	-	-	1	26	-	-	-	-	1	3	-	-
3267	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3268	-	-	-	-	-	-	1	1332	-	-	-	-	-	-
3269	-	-	-	-	1	25	3	210	81	607	-	-	-	-
3276	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3277	1	37	-	-	-	-	-	-	3	181	-	-	-	-
3281	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3282	1	37	2	28	-	-	-	-	22	459	-	-	-	-
3507	-	-	-	-	-	-	1	62	-	-	-	-	-	-
3509	-	-	-	-	-	-	6	369	-	-	-	-	-	-
3511	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3512	5	57	-	-	-	-	1	25	6	180	-	-	-	-
3513	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3514	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3515	1	3	-	-	-	-	-	-	-	-	-	-	-	-
3516	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3518	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3521	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3522	1	37	-	-	-	-	1	3	-	-	-	-	-	-
3527	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3528	-	-	-	-	-	-	1	91	-	-	-	-	-	-
3529	-	-	-	-	-	-	-	-	-	-	1	13	-	-
3533	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3539	-	-	-	-	-	-	-	-	1	172	-	-	-	-
3541	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3543	-	-	-	-	-	-	-	-	3	144	-	-	-	-
3546	-	-	-	-	-	-	-	-	-	-	3	60	-	-
3554	6	53	3	16	-	-	-	-	24	354	4	172	-	-
3556	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3558	1	4	-	-	-	-	-	-	-	-	-	-	-	-
3559	-	-	-	-	-	-	-	-	10	111	-	-	-	-
3562	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3564	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3567	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3571	-	-	-	-	-	-	3	20	-	-	-	-	-	-
3576	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3577	-	-	-	-	-	-	-	-	50	239	-	-	-	-
3578	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3579	-	-	-	-	-	-	2	44	5	56	-	-	-	-
4000	15	133	-	-	16	96	13	67	8	67	2	83	-	-
5000	-	-	20	19	-	-	152	28	306	127	245	199	1	a/
CUT MO.	38	461	25	64	19	196	185	2473	494	3203	256	528	1	a/
CUT YTD	349	3620	501	1072	100	2078	1930	14258	3345	24563	652	2967	19	63
1010	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3582	-	-	-	-	-	-	2	25	5	114	-	-	3	8
3583	-	-	-	-	-	-	70	13	1	1	-	-	-	-
3584	-	-	-	-	-	-	2	181	-	-	-	-	-	-
3586	-	-	-	-	-	-	1	28	31	134	-	-	-	-
3587	-	-	2	37	-	-	-	-	1	10	-	-	-	-
3588	-	-	-	-	-	-	-	-	3	19	-	-	-	-
3589	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3591	-	-	1	4	-	-	-	-	5	47	-	-	-	-
3592	-	-	-	-	-	-	1	11	32	285	1	20	-	-
3593	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3594	-	-	-	-	-	-	-	-	1	16	-	-	-	-
3595	-	-	-	-	-	-	-	-	1	5	-	-	-	-
3596	-	-	1	84	-	-	-	-	4	25	2	202	-	-
3597	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3598	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3599	-	-	-	-	-	-	1	124	8	64	-	-	2	118
FRM MO.	-	-	4	125	-	-	77	382	92	720	3	222	5	126
FRM YTD	-	-	74	1270	2	11	397	2537	933	8149	23	490	12	410
TOT MO.	38	461	29	188	19	196	262	2855	586	3923	259	751	6	126
TOT YTD	349	3620	575	2342	102	2089	2327	16795	4278	32712	675	3457	31	473

U.S. IMPORTS OF MACHINE TOOLS
TOTAL AND COUNTRIES OF ORIGIN BY TYPE OF MACHINE
AUGUST 1981

	POLAND		PORTUGAL		SPAIN		SWEDEN		SWITZERLAND		U. KINGDOM		W. GERMANY	
674	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
3025	-	-	-	-	-	-	-	-	-	-	7	130	13	1169
3035	-	-	-	-	-	-	-	-	-	-	1	23	-	-
3045	-	-	-	-	-	-	-	-	-	-	-	-	1	18
3204	-	-	-	-	-	-	-	-	1	321	-	-	-	-
3206	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3209	-	-	-	-	-	-	-	-	2	994	-	-	3	1552
3211	-	-	-	-	-	-	-	-	-	-	-	-	3	276
3212	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3213	-	-	-	-	-	-	-	-	-	-	-	-	1	153
3217	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3218	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3219	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3222	1	142	-	-	4	173	-	-	-	-	2	463	1	15
3223	-	-	-	-	2	8	3	77	3	275	-	-	5	114
3226	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3229	-	-	-	-	6	52	-	-	3	18	1	17	1	66
3234	-	-	-	-	12	112	3	23	-	-	-	-	2	13
3236	-	-	-	-	2	9	-	-	-	-	2	15	1	4
3242	-	-	10	58	44	223	-	-	2	196	5	51	-	-
3264	-	-	-	-	1	13	1	27	-	-	-	-	-	-
3266	-	-	-	-	-	-	-	-	-	-	2	16	1	12
3267	29	407	-	-	216	957	-	-	-	-	77	980	3	106
3268	-	-	-	-	-	-	7	84	-	-	5	188	2	524
3269	-	-	-	-	32	371	-	-	6	354	3	444	-	-
3276	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3277	-	-	-	-	-	-	-	-	2	100	-	-	5	648
3281	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3283	-	-	-	-	-	-	-	-	-	-	2	464	12	306
3507	-	-	-	-	-	-	-	-	-	-	-	-	6	450
3509	-	-	-	-	-	-	2	198	1	116	-	-	2	201
3511	-	-	-	-	-	-	4	644	-	-	-	-	4	366
3512	62	1336	-	-	13	142	-	-	-	-	191	1466	4	114
3513	-	-	-	-	-	-	-	-	-	-	6	168	1	3
3514	-	-	-	-	-	-	-	-	3	52	-	-	3	527
3515	-	-	-	-	-	-	-	-	5	192	1	26	1	18
3516	-	-	-	-	-	-	-	-	-	-	2	122	-	-
3518	-	-	-	-	1	20	-	-	2	63	1	125	-	-
3521	-	-	-	-	-	-	-	-	-	-	1	13	1	108
3522	-	-	-	-	3	63	-	-	3	31	22	440	4	195
3527	-	-	-	-	-	-	-	-	1	187	1	14	20	1847
3528	-	-	-	-	-	-	-	-	1	78	-	-	-	-
3529	-	-	-	-	3	8	1	4	10	844	44	547	25	314
3533	-	-	-	-	-	-	-	-	-	-	10	73	7	379
3539	-	-	-	-	-	-	1	290	1	67	-	-	1	310
3541	-	-	-	-	1	19	-	-	1	31	-	-	1	30
3543	5	23	-	-	-	-	1	120	1	3	5	203	8	211
3546	-	-	-	-	-	-	-	-	1	156	-	-	-	-
3554	-	-	-	-	-	-	-	-	11	491	12	388	2	114
3556	-	-	-	-	1	59	-	-	-	-	1	107	1	31
3558	-	-	-	-	-	-	-	-	-	-	2	23	10	111
3559	-	-	-	-	3	8	-	-	3	101	8	86	10	314
3562	-	-	-	-	-	-	-	-	17	630	-	-	-	-
3564	-	-	-	-	-	-	-	-	2	94	1	42	1	34
3567	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3571	-	-	-	-	-	-	-	-	2	22	1	29	3	24
3576	-	-	-	-	-	-	-	-	-	-	-	-	1	162
3577	-	-	-	-	-	-	-	-	-	-	33	135	31	328
3578	-	-	-	-	-	-	-	-	-	-	-	-	1	176
3579	-	-	-	-	1	24	2	11	12	791	21	350	23	1867
4000	-	-	-	-	-	-	6	161	15	169	278	2592	119	1577
5000	-	-	3	3	7	17	11	12	15	10	201	120	383	246
CUT MO.	97	1908	13	62	352	2275	42	1651	126	6388	949	9864	731	15044
CUT YTD	648	11026	180	482	2413	15968	1110	12733	2323	45670	7190	87083	12117	102771
1010	-	-	-	-	-	-	-	-	-	-	6	45	-	-
3582	-	-	-	-	-	-	-	-	-	-	62	291	6	94
3583	-	-	-	-	68	111	3	7	112	24	10	13	249	73
3584	-	-	-	-	-	-	-	-	-	-	1	711	1	122
3586	-	-	-	-	-	-	-	-	-	-	9	129	8	116
3587	-	-	-	-	-	-	6	102	2	187	1	70	23	155
3588	-	-	-	-	-	-	-	-	-	-	-	-	2	43
3589	-	-	-	-	3	21	1	55	-	-	-	-	-	-
3591	-	-	-	-	-	-	13	258	-	-	7	44	-	-
3592	-	-	-	-	1	27	8	89	6	434	5	124	12	84
3593	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3594	-	-	-	-	-	-	-	-	-	-	1	180	2	198
3595	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3596	-	-	-	-	-	-	4	1713	1	421	3	18	8	1021
3597	-	-	-	-	-	-	-	-	-	-	-	-	3	498
3598	-	-	-	-	-	-	-	-	-	-	1	3	1	10
3599	-	-	-	-	2	60	1	10	-	-	3	107	20	1176
FRH MO.	-	-	-	-	74	219	36	2234	121	1066	105	1734	335	3590
FRH YTD	2	9	-	-	148	1857	347	5918	426	10651	1013	11506	1869	28757
TOT MO.	97	1908	13	62	426	2494	78	3885	247	7454	1058	11598	1066	18634
TOT YTD	650	11034	180	482	2561	17825	1457	18651	2749	56320	8203	98589	13986	131528

U.S. IMPORTS OF MACHINE TOOLS
TOTAL AND COUNTRIES OF ORIGIN BY TYPE OF MACHINE
AUGUST 1981

674	YUGOSLAVIA		CANADA		INDIA		JAPAN		TAIWAN		AUSTRALIA		ALL OTHERS	
	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
3025	-	-	-	-	-	-	2	52	-	-	-	-	-	-
3035	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3045	-	-	1	8	-	-	-	-	-	-	-	-	-	-
3204	-	-	-	-	-	-	114	8861	-	-	-	-	1	71
3206	-	-	-	-	-	-	7	720	-	-	-	-	-	-
3209	-	-	-	-	-	-	21	3087	-	-	-	-	-	-
3211	-	-	-	-	-	-	33	2607	-	-	-	-	-	-
3212	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3213	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3217	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3218	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3219	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3222	-	-	-	-	-	-	4	390	-	-	-	-	5	760
3223	-	-	7	59	-	-	2	190	83	65	-	-	1	80
3228	-	-	-	-	-	-	2	50	-	-	-	-	-	-
3229	-	-	1	50	-	-	-	-	-	-	-	-	-	-
3234	-	-	-	-	-	-	41	583	57	219	-	-	10	43
3236	-	-	1	24	-	-	-	-	3	9	-	-	-	-
3242	-	-	-	-	-	-	2	106	10	37	-	-	-	-
3264	-	-	-	-	-	-	2	1858	1	37	-	-	5	200
3266	-	-	-	-	-	-	-	-	6	21	-	-	-	-
3267	-	-	25	368	-	-	5	88	18	79	-	-	2	22
3268	-	-	1	51	-	-	24	522	15	91	-	-	6	77
3269	-	-	3	128	-	-	43	756	323	1064	-	-	20	60
3276	-	-	-	-	-	-	2	450	-	-	-	-	-	-
3277	-	-	1	13	-	-	-	-	8	23	-	-	-	-
3281	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3283	-	-	1	91	-	-	2	25	-	-	-	-	-	-
3507	-	-	-	-	-	-	122	8322	1	62	-	-	-	-
3509	-	-	-	-	-	-	130	11615	-	-	-	-	-	-
3511	-	-	-	-	-	-	16	1968	-	-	-	-	-	-
3512	3	142	6	114	2	21	37	702	197	1284	-	-	167	1531
3513	-	-	-	-	-	-	16	260	14	267	-	-	-	-
3514	-	-	-	-	-	-	1	15	2	11	-	-	-	-
3515	-	-	-	-	-	-	13	441	-	-	-	-	-	-
3516	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3518	-	-	-	-	-	-	16	1214	23	115	-	-	44	252
3521	-	-	2	193	-	-	25	2477	2	99	-	-	1	39
3522	7	238	2	62	-	-	26	1438	78	424	-	-	16	114
3527	-	-	-	-	-	-	6	153	-	-	-	-	-	-
3528	-	-	-	-	-	-	9	709	-	-	-	-	-	-
3529	-	-	1	3	-	-	7	300	14	65	-	-	2	14
3533	-	-	-	-	-	-	-	-	-	-	-	-	2	50
3539	-	-	-	-	-	-	3	106	-	-	-	-	-	-
3541	-	-	-	-	-	-	11	225	3	8	-	-	40	581
3543	-	-	-	-	-	-	41	892	6	29	-	-	11	161
3546	-	-	-	-	-	-	1	172	-	-	-	-	-	-
3554	-	-	-	-	-	-	6	194	3	28	-	-	-	-
3556	-	-	-	-	-	-	10	312	-	-	-	-	-	-
3558	-	-	-	-	-	-	1	52	-	-	-	-	-	-
3559	-	-	1	4	-	-	17	372	9	43	-	-	1	3
3562	-	-	-	-	-	-	8	394	-	-	-	-	-	-
3564	-	-	1	3	-	-	-	-	-	-	-	-	-	-
3567	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3571	-	-	1	3	-	-	2	57	-	-	-	-	-	-
3576	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3577	-	-	-	-	-	-	20	301	17	89	-	-	15	46
3578	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3579			2	7	1	16	4	196	-	-	-	-	-	-
4000	-	-	17	580	-	-	9	198	3	12	-	-	9	85
5000	-	-	126	104	2	2	6844	902	79139	9771	-	-	189	241
CUT MO.	10	381	200	1865	5	40	7707	54329	8[illegible]	8952	-	-	547	4527
CUT YTD	234	3244	2283	18930	105	808	48717	402208	[illegible]	[illegible]	3	70	4477	34347
1010	-	-	7	154	-	-	2	134	-	-	-	-	-	-
3582	-	-	2	a/	-	-	-	-	-	-	-	-	2	5
3583	-	-	212	54	-	-	356	144	238	16	-	-	-	-
3584	-	-	-	-	-	-	11	1262	-	-	-	-	-	-
3586	-	-	2	121	-	-	23	297	2	14	-	-	1	18
3587	-	-	1	10	-	-	27	357	-	-	-	-	-	-
3588	-	-	-	-	-	-	2	105	-	-	-	-	-	-
3589	-	-	3	50	-	-	33	312	-	-	-	-	2	33
3591	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3592	-	-	14	119	-	-	4	114	-	-	-	-	-	-
3593	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3594	-	-	1	35	-	-	8	402	-	-	-	-	-	-
3595	-	-	1	3	-	-	1	5	-	-	-	-	-	-
3596	-	-	6	72	-	-	14	2317	-	-	-	-	20	75
3597	-	-	-	-	-	-	9	522	-	-	-	-	-	-
3598	-	-	1	64	-	-	1	16	-	-	-	-	-	-
3599	-		17	478	-	-	3	146	-	-	-	-	1	9
FRM MO.	-	-	267	1158	-	-	494	6130	238	30	-	-	26	129
FRM YTD	-	-	2534	10839	46	118	4252	36753	2322	232	12	13	194	2038
TOT MO.	10	381	467	3023	5	40	8201	60460	8[illegible]	8982	-	-	573	4667
TOT YTD	234	3244	4817	29769	153	926	52969	438961	[illegible]	[illegible]	15	83	4671	36385

Total and Countries of Origin

The following is a breakdown of the activity by country which is included in the ALL OTHER column on page 4.

	METAL CUTTING UNITS	METAL CUTTING $000	METAL FORMING UNITS	METAL FORMING $000	TOTAL UNITS	TOTAL $000
EUROPE						
AZORES	0	0	0	0	0	0
BULGARIA	0	0	0	0	0	0
CYPRUS	0	0	0	0	0	0
FINLAND	1	3	0	0	1	3
GREEC	0	0	0	0	0	0
HUNGARY	3	52	0	0	3	52
ICELAND	0	0	0	0	0	0
IRELAND	0	0	0	0	0	0
ROMANIA	44	500	0	0	44	500
USSR	1	59	0	0	1	59
GIBRALTAR	0	0	0	0	0	0
TOTAL	49	613	0	0	49	613
OTHER N.AC.AM						
BAHAMAS	0	0	0	0	0	0
BARBADOS	0	0	0	0	0	0
BELIZE	0	0	0	0	0	0
BERMUDA	0	0	0	0	0	0
CAYMAN	0	0	0	0	0	0
COSTA RICA	0	0	0	0	0	0
DOMINICAN REP.	0	0	0	0	0	0
FR. W. INDIES	0	0	0	0	0	0
GUATEMALA	0	0	0	0	0	0
HAITI	0	0	0	0	0	0
HONDURAS	0	0	0	0	0	0
JAMAICA	0	0	0	0	0	0
LW & WW IS.	0	0	0	0	0	0
MEXICO	85	59	2	10	87	68
NICARAGUA	0	0	0	0	0	0
N. ANTILLES	0	0	0	0	0	0
PANAMA	0	0	0	0	0	0
SALVADOR	0	0	0	0	0	0
TRINIDAD	0	0	0	0	0	0
TOTAL	85	59	2	10	87	68
OTHER S. AMER						
ARGENTINA	2	50	0	0	2	50
BOLIVIA	0	0	0	0	0	0
BRAZIL	41	926	0	0	41	926
CHILE	0	0	0	0	0	0
COLOMBIA	0	0	0	0	0	0
ECUADOR	0	0	0	0	0	0
FRENCH GUIANA	0	0	0	0	0	0
GUYANA	0	0	0	0	0	0
PARAGUAY	0	0	0	0	0	0
PERU	1	26	0	0	1	26
SURINAM	0	0	0	0	0	0
URUGUAY	0	0	0	0	0	0
VENEZUELA	0	0	0	0	0	0
TOTAL	44	1001	0	0	44	1001
OTHER ASIA						
AFGHANISTAN	0	0	0	0	0	0
ASIA			0			
ARAB EMIRATES	0	0	0	0	0	0
BAHRAIN	0	0	0	0	0	0
BANGLADESH	1	71	0	0	1	71
BRUNEI	0	0	0	0	0	0
BURMA	0	0	0	0	0	0
CHINA	101	260	0	0	101	260
GAZA STRIP	0	0	0	0	0	0
HONG KONG	1	1	1	4	2	5
INDONESIA	0	0	0	0	0	0
IRAN	0	0	0	0	0	0
IRAQ	0	0	0	0	0	0
ISRAEL	57	272	23	126	80	398
JORDAN	0	0	0	0	0	0
KOREAN REP.	98	801	0	0	98	801
KUWAIT	0	0	0	0	0	0
LEBANON	0	0	0	0	0	0
MALAYSIA	0	0	0	0	0	0
NEPAL	0	0	0	0	0	0
OMAN	0	0	0	0	0	0
PAKISTAN	0	0	0	0	0	0
PHILLIPINES	0	0	0	0	0	0
QATAR	0	0	0	0	0	0
SAUDI ARABIA	0	0	0	0	0	0
SINGAPORE	111	1371	0	0	111	1371
SRI LANKA	0	0	0	0	0	0
SYRIA	0	0	0	0	0	0
THAILAND	0	0	0	0	0	0
TURKEY	0	0	0	0	0	0
YEMEN	0	0	0	0	0	0
TOTAL	369	2784	24	130	393	2914

	METAL CUTTING UNITS	METAL CUTTING $000	METAL FORMING UNITS	METAL FORMING $000	TOTAL UNITS	TOTAL $000
OTHER OCEANIA						
FR. PAC. IS.	0	0	0	0	0	0
NEW GUINEA	0	0	0	0	0	0
NEW ZEALAND	0	0	0	0	0	0
TERR. PAC. IS.	0	0	0	0	0	0
OTH. PAC. IS.	0	0	0	0	0	0
TOTAL	0	0	0	0	0	0
OTHER AFRICA						
BOTSWANA	0	0	0	0	0	0
ALGERIA	0	0	0	0	0	0
ANGOLA	0	0	0	0	0	0
BENIN	0	0	0	0	0	0
CAMEROON	0	0	0	0	0	0
CANARY ISLANDS	0	0	0	0	0	0
DAHOMEY	0	0	0	0	0	0
EGYPT	0	0	0	0	0	0
ETHIOPIA	0	0	0	0	0	0
GABON	0	0	0	0	0	0
GHANA	0	0	0	0	0	0
GUINEA	0	0	0	0	0	0
KENYA	0	0	0	0	0	0
LESOTHO	0	0	0	0	0	0
LIBERIA	0	0	0	0	0	0
LIBYA	0	0	0	0	0	0
MALAWI	0	0	0	0	0	0
MAURITANIA	0	0	0	0	0	0
MOROCCO	0	0	0	0	0	0
MOZAMBIQUE	0	0	0	0	0	0
NIGER	0	0	0	0	0	0
NIGERIA	0	0	0	0	0	0
REP. S. AFRICA	0	0	0	0	0	0
RWANDA	0	0	0	0	0	0
SENEGAL	0	0	0	0	0	0
SIERRA LEONE	0	0	0	0	0	0
SOMALIA	0	0	0	0	0	0
S. W. AFRICA	0	0	0	0	0	0
SUDAN	0	0	0	0	0	0
SWAZILAND	0	0	0	0	0	0
TANZANIA	0	0	0	0	0	0
TUNISIA	0	0	0	0	0	0
ZIMBABWE	0	0	0	0	0	0
WEST AFRICA	0	0	0	0	0	0
ZAIRE	0	0	0	0	0	0
TOTAL	0	0	0	0	0	0

U.S. EXPORTS OF MACHINE TOOLS
TOTAL AND COUNTRIES OF DESTINATION BY TYPE OF MACHINE
AUGUST 1981

RELEASED: November 11, 1981

		TOTAL YTD		TOTAL MO.		AUSTRIA		BELGIUM	
		UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
674:	METAL CUTTING								
3020	Gear Hobbers & Shapers	186	19178	43	4247	-	-	-	-
3045	Gear Cutting Machines, N.E.C.	232	26123	48	1478	-	-	-	-
3204	Vertical Mach. Ctrs. ATC, NC, Y-Axis Travel 26'' or Less	43	4085	5	542	-	-	-	-
3206	Vertical Mach. Ctrs. ATC, NC, Y-Axis Travel Over 26''	20	4857	2	546	-	-	-	-
3209	Horizontal Machining Centers, ATC, NC	85	20184	8	2177	-	-	-	-
3211	Machining Centers, NC, N.E.C.	95	11629	9	1045	-	-	-	-
3216	Single Station and Multi-Station Transfer Machines	201	77823	30	11496	-	-	-	-
3223	Way Type Machines (Unit Heads)	13	1679	1	51	-	-	-	-
3245	Horiz. Boring-Drilling-Milling Machines, Table Type, NC	15	7671	-	-	-	-	-	-
3246	Horiz. Boring-Drilling-Milling Machines, NC, N.E.C.	2	631	-	-	-	-	-	-
3247	Vertical Boring-Drilling-Milling Machines, NC	40	3705	2	323	-	-	-	-
3248	Horiz. Boring-Drilling-Milling Machines, non-NC	14	1838	-	-	-	-	-	-
3249	Vertical Boring-Drilling-Milling Machines, non-NC	464	36874	5	72	-	-	-	-
3254	Drilling Machines, NC	19	2953	2	365	-	-	-	-
3255	Drilling Machines, Multi-Spindle, non-NC	75	5883	13	1043	-	-	1	68
3256	Drilling Machines, Radial, non-NC	39	1252	3	47	-	-	-	-
3257	Drilling Machines, Upright, Single Spindle, non-NC	87	2712	16	237	-	-	-	-
3258	Drilling Machines, non-NC, N.E.C.	241	5800	22	707	-	-	-	-
3264	Milling Machines, NC	32	12566	3	889	-	-	-	-
3266	Milling Machines, Profiling, Dupl. & Die Sinking, non-NC	57	5434	6	156	-	-	-	-
3267	Milling Machines, Knee Type, non-NC	8	408	2	121	-	-	-	-
3268	Milling Machines, Bed Type, non-NC	14	1411	1	46	-	-	-	-
3269	Milling Machines, non-NC, N.E.C.	103	4430	15	647	-	-	-	-
3276	Vertical Boring Machines, incl. VTL's, NC	20	4203	-	-	-	-	-	-
3277	Vertical Boring Machines, incl. VTL's, non-NC	91	9562	6	634	-	-	-	-
3281	Boring Machines, NC, N.E.C.	7	1027	-	-	-	-	-	-
3283	Boring Machines, non-NC, N.E.C.	48	2883	9	938	-	-	-	-
3304	Horizontal Lathes, NC, Less Than 25 HP	76	5278	5	329	-	-	-	-
3306	Horizontal Lathes, NC, 25-50 HP	30	5834	6	1427	-	-	-	-
3308	Horizontal Lathes, NC, Over 50 HP	10	3448	-	-	-	-	-	-
3310	Horizontal Engine & Toolroom Lathes, non-NC	213	4126	74	1205	-	-	-	-
3311	Automatic Chucking Lathes, Single Spindle, non-NC	38	5672	-	-	-	-	-	-
3312	Automatic Chucking Lathes, Multi-Spindle, non-NC	32	4157	1	25	-	-	-	-
3315	Automatic Bar Machines, Single Spindle, non-NC	47	2195	1	7	-	-	-	-
3316	Automatic Bar Machines, Multi-Spindle, non-NC	69	6285	6	177	-	-	-	-
3318	Horizontal Lathes, non-NC, N.E.C.	393	13876	29	1611	-	-	-	-
3319	Vertical Lathes, excl. VTL's, NC	16	2807	2	68	-	-	-	-
3325	Vertical Lathes, excl. VTL's, non-NC	134	12426	14	1459	-	-	-	-
3328	Grinding, Polishing, Honing & Lapping Machines, NC	84	14366	7	1123	-	-	-	-
3327	Gear Tooth Grinding & Finishing Machines, non-NC	83	15045	6	1840	-	-	-	-
3331	Tool & Cutter Grinding Machines, non-NC	305	5824	18	348	-	-	-	-
3332	Honing & Lapping Machines, non-NC	359	6953	11	543	-	-	-	-
3333	Grinding Machines, Flat Surface Reciprocating Table, non-NC	154	2672	25	363	-	-	-	-
3338	Grinding Machines, Flat Surface, non-NC, N.E.C.	172	13432	21	465	-	-	-	-
3341	External Grinding Machines, non-NC	80	12722	8	1942	-	-	-	-
3342	Internal Grinding Machines, non-NC	19	2045	1	23	-	-	-	-
3344	Grinding, Polishing & Buffing Machines, non-NC, N.E.C.	207	8055	5	215	-	-	-	-
3346	Grinding Machines, non-NC, N.E.C.	501	20528	33	3320	-	-	-	-
3347	Traveling Wire Electrical Discharge Machines	43	1496	3	186	-	-	-	-
3349	All Other Electrical Discharge Machines	205	2860	8	131	-	-	-	-
3351	Spark Erosion, Ultrasonic & Electrolytic Machines, NC	4	460	-	-	-	-	-	-
3353	Spark Erosion, Ultrasonic & Electrolytic Machines, non-NC	36	675	1	8	-	-	-	-
3359	Metal Cutting Machine Tools, NC, N.E.C.	92	3020	5	268	-	-	-	-
3363	Sawing & Cut-off Machines, non-NC	532	9038	60	1065	-	-	-	-
3366	Broaching Machines, non-NC	268	12589	7	498	-	-	-	-
3367	Metal Cutting Machine Tools, non-NC, N.E.C.	489	15426	38	1179	-	-	4	396
4000	Metal Cutting Machine Tools, Used or Rebuilt*	3495	36080	325	7834	-	-	-	-
5000	Metal Cutting Machine Tools, Less Than $2500*	47258	14207	5175	1337	-	-	12	7
	TOTAL CUTTING			6152	56407	-	-	17	471
	TOTAL CUTTING YTD	57637	540404			17	919	2412	1292
674:	METAL FORMING								
1011	Die Casting Machines & Parts	-	11199	-	2249	-	2	-	2
3568	Metal Forming Machine Tools, Used or Rebuilt	1065	13522	66	2342	-	-	-	-
3569	Metal Forming Machine Tools, Less Than $2500	6940	4476	1170	564	-	-	11	3
3571	Punching & Shearing Machines, Incl. Combination, NC	78	9075	5	580	-	-	-	-
3573	Shearing Machines, non-NC	99	5529	10	685	-	-	-	-
3575	Punching & Combination Punching & Shearing Machines, non-NC	672	15384	96	1810	-	-	-	-
3578	Bending, Folding, Straightening & Flattening Machines, NC	133	7833	9	454	-	-	-	-
3582	Press Brakes, non-NC	117	4892	5	322	-	-	-	-
3583	Bending Rolls, Bar & Press Bending Machines, non-NC	42	2296	5	92	-	-	-	-
3584	Bending,Folding,Str. & Flattening Machines, non-NC, N.E.C.	561	16372	74	1791	-	-	-	-
3588	Mechanical Presses, non-NC	322	16568	31	1134	-	-	-	-
3589	Hydraulic Presses, Vertical, Single Action, non-NC	87	11274	12	2000	-	-	1	15
3590	Hydraulic & Pneumatic Presses, non-NC, N.E.C.	426	28316	26	739	-	-	-	-
3594	Headers & Upsetters, non-NC	45	4724	2	235	-	-	-	-
3595	Forging Machines, non-NC, N.E.C.	125	10107	10	895	-	-	-	-
3598	Metal Forming Machine Tools, non-NC, N.E.C.	965	46393	68	2392	-	-	-	-
	TOTAL FORMING			1549	18241	-	-	12	19
	TOTAL FORMING YTD	11677	208487			3	91	96	985
	TOTAL ALL TYPES			7701	74648	-	-	29	490
	TOTAL ALL TYPES YTD	69314	748811			20	1010	2508	2277

Source: U.S. Department of Commerce, Census Report No. ID522; National Machine Tool Builders' Association.
NOTES: 1) a/Dollar amount less than $500; 2) N.E.C. - Not Elsewhere Classified; 3) Individual items may not add to totals due to rounding.
4) Beginning in January 1980, foreign trade data for die casting machines are included in the metal forming total. For 1979, U.S. die casting exports were $8,584,000.

*Code 6744000 shown above represents combined data from codes 674:3015,3241,3252,3261,3272,3501,3526 & 3554.
Code 6745000 shown above represents combined data from codes 674:3243,3253,3262,3273,3502,3527 & 3557.

U.S. EXPORTS OF MACHINE TOOLS
TOTAL AND COUNTRIES OF DESTINATION BY TYPE OF MACHINE
AUGUST 1981

	DENMARK		FINLAND		FRANCE		GREECE		IRELAND		ITALY		NETHERLANDS	
	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
674:														
3020	-	-	-	-	-	-	-	-	-	-	1	160	-	-
3045	1	17	-	-	-	-	-	-	-	-	2	216	-	-
3204	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3206	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3209	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3211	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3216	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3225	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3245	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3246	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3247	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3248	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3249	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3254	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3255	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3256	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3257	-	-	-	-	-	-	-	-	-	-	3	72	-	-
3258	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3264	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3266	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3267	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3268	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3269	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3276	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3277	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3281	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3283	-	-	-	-	5	201	-	-	-	-	-	-	-	-
3504	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3506	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3508	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3510	-	-	-	-	-	-	-	-	-	-	1	27	-	-
3511	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3512	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3515	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3516	-	-	-	-	1	43	-	-	-	-	-	-	-	-
3518	-	-	-	-	-	-	-	-	1	8	-	-	-	-
3519	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3525	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3528	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3529	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3531	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3532	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3533	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3538	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3541	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3542	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3544	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3546	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3547	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3549	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3551	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3553	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3559	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3565	-	-	-	-	-	-	-	-	-	-	-	-	8	109
3566	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3567	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4000	-	-	-	-	1	3	-	-	-	-	3	51	-	
5000	-	-	1	1	4	2	9	7	1	1	1	1	28	1
CUT MO.	1	17	1	1	11	248	9	7	2	9	11	527	36	110
CUT YTD	15	506	39	1230	395	13908	31	267	598	2742	230	6477	2805	1165
1011	-	-	-	-	-	-	-	-	-	-	-	-	-	4
3568	-	-	-	-	-	-	-	-	-	-	-	-	2	72
3569	-	-	-	-	19	6	-	-	-	-	-	-	12	2
3571	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3573	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3575	-	-	-	-	1	152	-	-	5	12	1	4	1	22
3578	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3582	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3583	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3584	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3588	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3589	-	-	-	-	-	-	-	-	2	1440	-	-	-	-
3590	-	-	-	-	1	17	-	-	-	-	-	-	-	-
3594	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3595	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3598	2	90	-	-	1	46	-	-	1	52	1	18	-	-
FRM MO.	2	90	-	-	22	222	-	-	8	1504	2	22	15	101
FRM YTD	39	737	16	506	303	6067	7	1093	59	7406	105	5855	136	1873
TOT MO.	3	107	1	1	33	470	9	7	10	1512	13	549	51	211
TOT YTD	54	1243	55	1736	658	19974	38	1360	657	10147	335	12332	2941	3038

U.S. EXPORTS OF MACHINE TOOLS
TOTAL AND COUNTRIES OF DESTINATION BY TYPE OF MACHINE
AUGUST 1981

	NORWAY		POLAND		ROMANIA		SPAIN		SWEDEN		SWITZERLAND		U. KINGDOM	
	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
674:														
3020	-	-	-	-	-	-	22	1155	-	-	-	-	-	-
3045	-	-	-	-	-	-	1	17	-	-	1	26	-	-
3204	-	-	-	-	-	-	-	-	-	-	2	197	1	56
3206	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3209	-	-	-	-	-	-	-	-	-	-	-	-	1	209
3211	-	-	-	-	-	-	-	-	-	-	-	-	2	318
3216	-	-	-	-	-	-	-	-	-	-	-	-	15	6608
3225	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3245	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3246	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3247	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3248	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3249	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3254	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3255	-	-	-	-	-	-	-	-	-	-	-	-	1	69
3256	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3257	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3258	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3264	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3266	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3267	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3268	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3269	-	-	-	-	-	-	-	-	-	-	-	-	2	21
3276	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3277	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3281	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3283	-	-	-	-	-	-	-	-	1	9	-	-	-	-
3504	-	-	-	-	-	-	-	-	-	-	-	-	4	262
3506	-	-	-	-	-	-	-	-	-	-	-	-	2	412
3508	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3510	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3511	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3512	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3515	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3516	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3518	-	-	-	-	-	-	-	-	-	-	1	6	-	-
3519	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3525	-	-	-	-	-	-	-	-	-	-	-	-	3	69
3528	-	-	-	-	-	-	-	-	-	-	-	-	1	127
3529	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3531	-	-	-	-	-	-	1	30	-	-	-	-	-	-
3532	-	-	-	-	-	-	-	-	-	-	2	35	-	-
3533	-	-	-	-	-	-	-	-	-	-	2	60	1	11
3538	-	-	-	-	-	-	-	-	-	-	-	-	1	12
3541	-	-	-	-	-	-	-	-	-	-	-	-	2	380
3542	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3544	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3546	-	-	-	-	-	-	-	-	-	-	-	-	1	60
3547	-	-	-	-	-	-	-	-	-	-	2	173	-	-
3549	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3551	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3553	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3559	-	-	-	-	-	-	-	-	-	-	-	-	1	58
3565	-	-	-	-	-	-	-	-	-	-	1	24	1	91
3566	-	-	-	-	-	-	-	-	-	-	1	19	-	-
3567	-	-	-	-	-	-	-	-	-	-	1	39	1	16
4000	-	-	-	-	-	-	-	-	-	-	-	-	30	4322
5000	-	-	-	-	-	-	2	5	5	3	40	29	426	62
CUT MO.	-	-	-	-	-	-	26	1207	6	11	53	607	500	13155
CUT YTD	19	209	-	-	6	972	120	2422	205	1300	481	6526	1706	34318
1011	-	-	-	-	-	-	-	14	-	1	-	8	-	4
3568	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3569	-	-	-	-	-	-	-	-	22	11	-	-	2	3
3571	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3573	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3575	-	-	-	-	-	-	-	-	-	-	-	-	3	90
3578	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3582	-	-	-	-	-	-	1	122	-	-	-	-	-	-
3583	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3584	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3588	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3589	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3590	-	-	-	-	-	-	-	-	-	-	-	-	2	18
3594	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3595	-	-	-	-	-	-	-	-	-	-	-	-	2	316
3598	-	-	-	-	-	-	-	-	-	-	-	-	11	412
FRM MO.	-	-	-	-	-	-	1	135	22	13	-	-	20	843
FRM YTD	18	237	-	-	-	-	16	2396	61	1316	123	932	587	13228
TOT MO.	-	-	-	-	-	-	27	1343	28	24	53	615	520	13997
TOT YTD	37	447	-	-	6	972	136	4819	266	2616	604	7458	2293	47546

U.S. EXPORTS OF MACHINE TOOLS
TOTAL AND COUNTRIES OF DESTINATION BY TYPE OF MACHINE
AUGUST 1981

	USSR		W. GERMANY		YUGOSLAVIA		CANADA		MEXICO		OTH. NAC AM		ARGENTINA	
674:	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
3020	-	-	1	321	-	-	17	2390	-	-	-	-	-	-
3045	-	-	1	20	-	-	3	120	4	177	-	-	-	-
3204	-	-	1	166	-	-	1	123	-	-	-	-	-	-
3206	-	-	1	267	-	-	1	279	-	-	-	-	-	-
3209	-	-	4	1008	-	-	1	232	2	737	-	-	-	-
3211	-	-	1	128	-	-	2	488	3	97	-	-	-	-
3216	-	-	-	-	-	-	2	2042	9	2846	-	-	-	-
3225	-	-	-	-	-	-	-	-	1	51	-	-	-	-
3245	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3246	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3247	-	-	-	-	-	-	1	179	-	-	-	-	-	-
3248	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3249	-	-	-	-	-	-	1	12	3	43	-	-	-	-
3254	-	-	-	-	-	-	1	352	-	-	-	-	-	-
3255	-	-	1	61	-	-	2	104	-	-	-	-	-	-
3256	-	-	-	-	-	-	1	16	1	19	-	-	-	-
3257	-	-	1	85	-	-	1	3	10	58	-	-	-	-
3258	-	-	4	26	-	-	7	118	-	-	-	-	-	-
3264	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3266	-	-	-	-	-	-	-	-	1	11	-	-	-	-
3267	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3268	-	-	-	-	-	-	1	46	-	-	-	-	-	-
3269	-	-	-	-	-	-	1	18	2	464	2	30	-	-
3276	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3277	-	-	-	-	-	-	-	-	4	494	-	-	-	-
3281	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3283	-	-	-	-	-	-	1	304	-	-	-	-	-	-
3504	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3506	-	-	-	-	-	-	2	513	1	290	-	-	-	-
3508	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3510	-	-	-	-	-	-	31	254	37	804	-	-	-	-
3511	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3512	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3515	-	-	-	-	-	-	1	7	-	-	-	-	-	-
3516	-	-	-	-	-	-	2	57	-	-	-	-	-	-
3518	-	-	-	-	5	546	5	303	9	318	-	-	-	-
3519	-	-	1	35	-	-	-	-	-	-	-	-	-	-
3525	-	-	1	233	-	-	2	213	5	308	-	-	-	-
3528	-	-	2	354	-	-	1	80	1	25	-	-	-	-
3529	3	1712	-	-	-	-	-	-	2	33	-	-	-	-
3531	-	-	-	-	-	-	7	130	-	-	-	-	-	-
3532	-	-	1	3	-	-	5	314	1	167	-	-	-	-
3533	-	-	1	65	-	-	6	39	-	-	-	-	-	-
3538	-	-	-	-	-	-	2	144	16	241	-	-	-	-
3541	-	-	-	-	-	-	3	889	1	39	-	-	-	-
3542	-	-	-	-	-	-	-	-	1	23	-	-	-	-
3544	-	-	1	13	-	-	2	50	-	-	-	-	-	-
3546	-	-	1	63	-	-	10	944	15	1648	-	-	-	-
3547	-	-	1	14	-	-	-	-	-	-	-	-	-	-
3549	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3551	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3553	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3559	-	-	-	-	-	-	2	165	2	45	-	-	-	-
3565	-	-	3	240	-	-	20	218	12	155	1	5	-	-
3566	-	-	-	-	-	-	-	-	1	10	-	-	-	-
3567	-	-	-	-	-	-	4	402	13	157	2	24	-	-
4000	-	-	-	-	-	-	38	875	109	781	4	8	1	177
5000	-	-	88	61			1354	317	323	304	303	38		-
CUT MO.	3	1712	115	3163	5	546	1541	12736	589	10343	312	104	1	177
CUT YTD	30	13924	1362	20290	25	1766	18868	152442	8101	149811	3019	2045	126	2674
1011	-	-	-	9	-	3	-	1036	-	145	-	52	-	-
3568	-	-	-	-	-	-	9	619	30	341	5	178	-	-
3569	-	-	4	1	-	-	463	314	41	32	9	8	-	-
3571	-	-	3	249	-	-	-	-	1	227	-	-	-	-
3573	-	-	-	-	-	-	-	-	7	568	-	-	-	-
3575	-	-	5	606	-	-	9	173	14	226	-	-	-	-
3578	-	-	5	338	-	-	2	57	2	59	-	-	-	-
3582	-	-	-	-	-	-	-	-	1	67	-	-	-	-
3583	-	-	-	-	-	-	-	-	2	49	-	-	-	-
3584	-	-	1	3	-	-	21	429	27	799	3	32	-	-
3588	16	163	1	19	-	-	-	-	7	279	1	122	-	-
3589	-	-	1	55	-	-	1	41	6	395	-	-	-	-
3590	-	-	1	17	-	-	3	59	5	102	-	-	-	-
3594	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3595	-	-	-	-	-	-	-	-	6	274	-	-	-	-
3598	-	-	1	30	-	-	16	327	21	748	2	29	-	-
FRM MO.	16	163	22	1326	-	-	524	3054	170	4313	20	421	-	-
FRM YTD	51	1177	409	5794	7	2992	3420	32360	2153	41400	196	1820	77	2200
TOT MO.	19	1875	137	4489	5	549	2065	15789	759	14655	332	525	1	177
TOT YTD	81	15101	1771	26084	32	4759	22288	184802	10254	191211	3215	3865	203	4874

U.S. EXPORTS OF MACHINE TOOLS
TOTAL AND COUNTRIES OF DESTINATION BY TYPE OF MACHINE
AUGUST 1981

	BRAZIL		CHILE		COLOMBIA		PERU		VENEZUELA		OTH. S. AM.		INDIA	
	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
674:														
3020	-	-	-	-	-	-	-	-	1	24	-	-	-	-
3045	-	-	-	-	-	-	1	16	-	-	-	-	-	-
3204	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3206	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3209	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3211	-	-	-	-	-	-	-	-	1	14	-	-	-	-
3216	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3225	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3245	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3246	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3247	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3248	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3249	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3254	-	-	-	-	-	-	-	-	1	13	-	-	-	-
3255	-	-	-	-	1	109	-	-	-	-	-	-	-	-
3256	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3257	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3258	-	-	-	-	-	-	1	21	-	-	-	-	-	-
3264	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3266	-	-	-	-	-	-	-	-	-	-	1	5	-	-
3267	-	-	-	-	-	-	-	-	1	60	-	-	-	-
3268	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3269	-	-	-	-	-	-	-	-	-	-	-	-	4	33
3276	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3277	-	-	-	-	-	-	-	-	-	-	-	-	1	49
3281	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3283	-	-	-	-	-	-	-	-	-	-	-	-	1	15
3504	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3506	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3508	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3510	-	-	-	-	-	-	-	-	1	3	-	-	1	8
3511	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3512	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3515	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3516	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3518	-	-	-	-	-	-	-	-	2	10	-	-	2	4
3519	-	-	-	-	1	33	-	-	-	-	-	-	-	-
3525	-	-	-	-	-	-	-	-	-	-	-	-	1	108
3528	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3529	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3531	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3532	1	12	-	-	-	-	-	-	-	-	-	-	-	-
3533	-	-	-	-	-	-	-	-	-	-	-	-	1	23
3538	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3541	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3542	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3544	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3546	-	-	-	-	-	-	-	-	-	-	2	68	-	-
3547	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3549	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3551	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3553	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3559	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3565	2	70	-	-	-	-	-	-	-	-	-	-	4	89
3566	4	463	-	-	-	-	-	-	-	-	-	-	-	-
3567	-	-	-	-	-	-	-	-	-	-	1	14	-	-
4000	2	51	-	-	1	14	-	-	3	23	1	22	1	210
5000	7	2	463	24	5	9	-	-	185	54	25	7	1	1
CUT MO.	16	637	463	24	8	166	2	37	195	202	30	115	17	541
CUT YTD	425	9516	1658	1069	369	1775	69	450	1193	5905	255	1653	164	5790
1011	-	898	-	4	-	-	-	-	-	5	-	35	-	-
3568	-	-	-	-	-	-	-	-	3	6	-	-	1	1
3569	-	-	4	9	-	-	11	3	8	2	4	4	-	-
3571	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3573	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3575	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3578	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3582	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3583	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3584	-	-	-	-	-	-	-	-	9	56	1	114	-	-
3588	1	315	-	-	-	-	-	-	-	-	-	-	-	-
3589	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3590	-	-	-	-	-	-	3	42	2	148	1	18	-	-
3594	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3595	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3598	1	79	-	-	-	-	1	3	-	-	-	-	-	-
FRM MO.	2	1293	4	13	-	-	15	49	22	217	6	171	1	1
FRM YTD	49	6208	51	564	120	1878	192	1718	499	4936	323	2016	60	3508
TOT MO.	18	1930	467	38	8	166	17	86	217	419	36	285	18	542
TOT YTD	474	15724	1709	1632	489	3651	261	2168	1692	10841	578	3668	224	9298

U.S. EXPORTS OF MACHINE TOOLS
TOTAL AND COUNTRIES OF DESTINATION BY TYPE OF MACHINE
AUGUST 1981

	IRAN		ISRAEL		JAPAN		KOREAN REP.		PHILLIPINES		SINGAPORE		TAIWAN	
674:	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
3020	-	-	-	-	-	-	-	-	-	-	-	-	1	198
3045	-	-	17	250	1	70	1	55	2	41	-	-	-	-
3204	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3206	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3209	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3211	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3216	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3225	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3245	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3246	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3247	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3248	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3249	-	-	-	-	-	-	1	18	-	-	-	-	-	-
3254	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3255	-	-	-	-	5	439	-	-	-	-	-	-	1	63
3256	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3257	-	-	1	19	-	-	-	-	-	-	-	-	-	-
3258	-	-	-	-	2	20	3	131	-	-	-	-	-	-
3264	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3266	-	-	-	-	-	-	-	-	-	-	-	-	2	69
3267	-	-	-	-	-	-	-	-	-	-	-	-	1	60
3268	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3269	-	-	-	-	-	-	1	13	-	-	-	-	-	-
3276	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3277	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3281	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3283	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3504	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3506	-	-	-	-	-	-	1	213	-	-	-	-	-	-
3508	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3510	-	-	-	-	-	-	2	48	-	-	-	-	-	-
3511	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3512	-	-	-	-	-	-	1	25	-	-	-	-	-	-
351	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3516	-	-	-	-	3	77	-	-	-	-	-	-	-	-
3518	-	-	-	-	1	344	-	-	-	-	-	-	-	-
3519	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3525	-	-	1	392	-	-	-	-	-	-	-	-	-	-
3528	-	-	-	-	2	536	-	-	-	-	-	-	-	-
3529	-	-	-	-	1	95	-	-	-	-	-	-	-	-
3531	-	-	-	-	-	-	10	188	-	-	-	-	-	-
3532	-	-	-	-	-	-	-	-	-	-	-	-	1	12
3533	-	-	1	11	-	-	-	-	-	-	-	-	3	46
3538	-	-	-	-	-	-	-	-	-	-	-	-	1	57
3541	-	-	-	-	1	513	-	-	-	-	-	-	1	121
3542	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3544	-	-	-	-	2	153	-	-	-	-	-	-	-	-
3546	-	-	-	-	1	37	3	500	-	-	-	-	-	-
3547	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3549	-	-	-	-	-	-	1	6	-	-	-	-	-	-
3551	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3553	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3559	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3565	-	-	-	-	1	7	-	-	1	19	-	-	2	16
3566	-	-	-	-	-	-	-	-	-	-	-	-	1	6
3567	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4000	-	-	1	4	4	16	47	91	1	9	7	78	-	-
5000	-	-	15	12	48	25	6	9	139	36	282	42	24	9
CUT MO.	-	-	36	687	72	2331	77	1295	143	105	289	139	38	653
CUT YTD	1	21	271	4352	1208	28306	491	11573	283	1713	996	7761	221	5320
1011	-	-	-	-	-	-	-	-	-	7	-	-	-	-
3568	-	-	-	-	1	36	-	-	-	-	1	31	1	3
3569	-	-	3	4	20	35	-	-	6	4	332	69	10	3
3571	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3573	1	5	-	-	-	-	-	-	-	-	-	-	-	-
3575	-	-	-	-	2	203	-	-	-	-	1	8	1	17
3578	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3582	-	-	1	25	1	104	-	-	-	-	-	-	-	-
3583	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3584	-	-	1	67	2	88	1	16	-	-	2	35	-	-
3586	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3589	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3590	-	-	-	-	3	170	1	8	-	-	1	44	-	-
3594	-	-	-	-	1	189	-	-	-	-	-	-	-	-
3595	-	-	-	-	1	259	-	-	-	-	-	-	-	-
3598	-	-	2	69	2	7	-	-	1	8	-	-	-	-
FRM MO.	1	5	7	165	33	1090	2	24	7	18	337	187	12	22
FRM YTD	1	5	144	958	260	10030	70	1859	86	1126	915	2880	111	8165
TOT MO.	1	5	43	852	105	3421	79	1319	150	123	626	326	50	675
TOT YTD	2	26	415	5311	1468	38335	561	13432	369	2840	1611	10641	332	13486

U.S. EXPORTS OF MACHINE TOOLS
TOTAL AND COUNTRIES OF DESTINATION BY TYPE OF MACHINE
AUGUST 1981

	TURKEY		OTHER ASIA		AUSTRALIA		N. ZEALAND		REP./S.AFR.		OTH. AFRICA		ALL OT CTRY	
674:	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
3020	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3045	-	-	12	233	-	-	-	-	-	-	1	220	-	-
3204	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3206	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3209	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3211	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3216	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3225	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3245	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3246	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3247	-	-	1	144	-	-	-	-	-	-	-	-	-	-
3248	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3249	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3254	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3255	-	-	-	-	1	130	-	-	-	-	-	-	-	-
3256	-	-	-	-	-	-	-	-	-	-	1	12	-	-
3257	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3258	-	-	1	142	-	-	-	-	-	-	-	-	4	250
3264	-	-	-	-	3	889	-	-	-	-	-	-	-	-
3266	-	-	1	50	1	21	-	-	-	-	-	-	-	-
3267	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3268	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3269	-	-	-	-	-	-	1	24	-	-	2	85	-	-
3276	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3277	-	-	1	91	-	-	-	-	-	-	-	-	-	-
3281	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3283	-	-	-	-	1	9	-	-	-	-	-	-	-	-
3504	-	-	-	-	1	62	-	-	-	-	-	-	-	-
3506	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3508	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3510	-	-	1	60	-	-	-	-	-	-	-	-	-	-
3511	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3512	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3515	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3516	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3518	-	-	3	72	-	-	-	-	-	-	-	-	-	-
3519	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3525	-	-	1	135	-	-	-	-	-	-	-	-	-	-
3528	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3529	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3531	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3532	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3533	-	-	9	67	-	-	-	-	1	41	-	-	-	-
3538	-	-	1	12	-	-	-	-	-	-	-	-	-	-
3541	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3542	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3544	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3546	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3547	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3549	-	-	2	2	5	122	-	-	-	-	-	-	-	-
3551	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3553	-	-	1	8	-	-	-	-	-	-	-	-	-	-
3559	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3565	-	-	1	9	-	-	-	-	-	-	3	15	-	-
3566	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3567	-	-	4	47	4	86	-	-	-	-	-	-	-	-
4000	-	-	57	371	8	103	-	-	-	-	6	588	-	-
5000	-		146	94	311	72	-	-	165	63	16	9	750	17
CUT MO.	-	-	242	1535	335	1493	1	24	166	104	29	888	754	267
CUT YTD	40	450	3327	13669	2246	12064	28	175	1933	5553	428	4617	1461	1360
1011	-	-	-	4	-	14	-	1	-	3	-	-	-	-
3568	-	-	4	9	2	245	-	-	7	802	-	-	-	-
3569	-	-	168	44	-	-	17	5	1	2	3	2	-	-
3571	-	-	-	-	1	104	-	-	-	-	-	-	-	-
3573	-	-	1	9	-	-	-	-	1	103	-	-	-	-
3575	-	-	1	8	2	77	-	-	9	206	1	4	-	-
3578	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3582	-	-	-	-	-	-	-	-	-	-	1	4	-	-
3583	-	-	3	42	-	-	-	-	-	-	-	-	-	-
3584	-	-	3	96	-	-	-	-	3	45	-	-	-	-
3588	-	-	-	-	-	-	-	-	5	235	-	-	-	-
3589	-	-	-	-	-	-	-	-	-	-	-	-	1	55
3590	-	-	1	53	2	45	-	-	-	-	-	-	-	-
3594	-	-	1	48	-	-	-	-	-	-	-	-	-	-
3595	-	-	-	-	-	-	-	-	-	-	-	-	1	7
3598	-	-	2	19	2	27	-	-	-	-	1	429	-	-
FRM MO.	-	-	184	332	9	512	17	6	26	1396	6	438	2	61
FRM YTD	15	366	522	16537	206	4662	105	340	211	6671	58	2007	97	1460
TOT MO.	-	-	426	1867	344	2005	18	30	192	1500	35	1326	756	328
TOT YTD	55	816	3849	30207	2452	16726	133	516	2144	12225	486	6624	1558	2819

AUGUST 1981 - U.S. EXPORTS OF MACHINE TOOLS

Total and Countries of Destination

The following is a breakdown of the activity by country which is included in the ALL OTHER columns.

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
EUROPE						
AZORES	-	-	-	-	-	-
BULGARIA	-	-	-	-	-	-
CYPRUS	-	-	-	-	-	-
CZECHOSLOVAKIA	-	-	-	-	-	-
E GERMANY	-	-	-	-	-	-
HUNGARY	-	-	-	-	-	-
ICELAND	-	-	-	-	-	-
PORTUGAL	750	17	2	61	752	78
GIBRALTAR	-	-	-	-	-	-
TOTAL	750	17	2	61	752	78
OTHER N.&C.AM						
BAHAMAS	-	-	1	10	1	10
BARBADOS	1	1	-	-	1	1
BELIZE	-	-	-	-	-	-
BERMUDA	-	-	1	4	1	4
CAYMAN	-	-	-	-	-	-
COSTA RICA	-	-	-	-	-	-
DOMINICAN REP.	-	-	11	37	11	37
FR. W. INDIES	-	-	-	-	-	-
GUATEMALA	1	1	1	59	2	61
HAITI	-	-	2	97	2	97
HONDURAS	32	34	1	18	33	52
JAMAICA	1	5	-	-	1	5
LW & WW IS.	14	33	-	-	14	33
NICARAGUA	-	-	-	-	-	-
N. ANTILLES	-	-	-	-	-	-
PANAMA	259	27	1	17	260	43
SALVADOR	-	-	-	-	-	-
TRINIDAD	4	3	2	128	6	131
TOTAL	312	104	20	421	332	525
OTHER S. AMER						
BOLIVIA	1	14	1	1	2	15
ECUADOR	12	93	2	167	14	260
FRENCH GUIANA	-	-	-	-	-	-
GUYANA	17	8	-	-	17	8
PARAGUAY	-	-	-	-	-	-
SURINAM	-	-	-	-	-	-
URUGUAY	-	-	3	2	3	2
TOTAL	30	115	6	171	36	285
OTHER ASIA						
AFGHANISTAN	-	-	-	-	-	-
ADEN	-	-	-	-	-	-
ARAB EMIRATES	52	16	5	2	57	18
BAHRAIN	-	-	-	-	-	-
BANGLADASH	9	67	-	-	9	67
BRUNEI	-	-	-	-	-	-
BURMA	53	316	-	-	53	316
CHINA	3	141	-	-	3	141
GAZA STRIP	-	-	-	-	-	-
HONG KONG	24	522	5	61	29	583
INDONESIA	1	12	2	68	3	79
IRAQ	-	-	-	-	-	-
JORDAN	6	6	-	-	6	6
KUWAIT	2	3	3	5	5	8
LEBANON	3	53	-	-	3	53
MALAYSIA	-	-	3	97	3	97
NEPAL	-	-	-	-	-	-
OMAN	-	-	-	-	-	-
PAKISTAN	1	8	-	-	1	8
QATAR	3	2	-	-	3	2
SAUDI ARABIA	81	179	148	96	229	275
SRI LANKA	-	-	-	-	-	-
SYRIA	-	-	-	-	-	-
THAILAND	4	213	18	3	22	216
YEMEN	-	-	-	-	-	-
TOTAL	242	1535	184	332	426	1867

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
OTHER OCEANIA						
FR. PAC. IS.	-	-	-	-	-	-
NEW GUINEA	4	250	-	-	4	250
TERR. PAC. IS.	-	-	-	-	-	-
OTH. PAC. IS.	-	-	-	-	-	-
TOTAL	4	250	-	-	4	250
OTHER AFRICA						
BOTSWANA	1	1	-	-	1	1
ALGERIA	-	-	1	1	1	1
ANGOLA	-	-	-	-	-	-
BENIN	-	-	-	-	-	-
CAMEROON	-	-	-	-	-	-
CANARY ISLANDS	-	-	-	-	-	-
DAHOMEY	-	-	-	-	-	-
EGYPT	11	589	-	-	11	589
ETHIOPIA	-	-	-	-	-	-
GABON	-	-	-	-	-	-
GHANA	4	36	1	4	5	40
GUINEA	-	-	-	-	-	-
KENYA	-	-	-	-	-	-
LESOTHO	-	-	-	-	-	-
LIBERIA	-	-	1	4	1	4
LIBYA	2	221	-	-	2	221
MALAWI	-	-	-	-	-	-
MAURITANIA	-	-	-	-	-	-
MOROCCO	-	-	-	-	-	-
MOZAMBIQUE	-	-	-	-	-	-
NIGER	-	-	-	-	-	-
NIGERIA	10	41	1	429	11	470
RWANDA	-	-	-	-	-	-
SENEGAL	-	-	-	-	-	-
SIERRA LEONE	-	-	-	-	-	-
SOMALIA	-	-	-	-	-	-
S. W. AFRICA	-	-	-	-	-	-
SUDAN	-	-	2	1	2	1
SWAZILAND	-	-	-	-	-	-
TANZANIA	-	-	-	-	-	-
TUNISIA	-	-	-	-	-	-
ZIMBABWE	1	1	-	-	1	1
WEST AFRICA	-	-	-	-	-	-
ZAIRE	-	-	-	-	-	-
ZAMBIA	-	-	-	-	-	-
OTH WEST AFR.	-	-	-	-	-	-
IVORY COAST	-	-	-	-	-	-
MAURITIUS	-	-	-	-	-	-
TOGO	-	-	-	-	-	-
TOTAL	29	888	6	438	35	1326